

ASSIGNMENT 3

Textbook Assignment: "Air-Laid Mines and Torpedoes," chapter 5-, pages 5-1 through 5-14
"M61A1 Gun Installation," chapter 6, pages 6-1 through 6-20, and
"Ammunition Loading," chapter 7, pages 7-1 through 7-16.

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| <p>3-1. A total of how many versions of exercise torpedoes are available for aircraft launching?</p> <ol style="list-style-type: none">1. one2. Two3. Three4. Five <p>3-2. Component location information for a MK 46 torpedo is contained in what NAVSEA publication?</p> <ol style="list-style-type: none">1. SW512-AO-ASY-0102. SW010-AF-ORD-0103. TW010-AC-ORD-0104. SW050-AB-MMA-010 <p>3-3. The physical characteristics of a Mk-46 torpedo depend on which of the following items?</p> <ol style="list-style-type: none">1. Mission2. Torpedo configuration3. Aircraft type4. Target <p>3-4. Which of the following air stabilizers are used with fixed-wing aircraft?</p> <ol style="list-style-type: none">1. Mk 28 Mod 2 and Mk 31 Mod 02. Mk 28 Mod 3 and Mk 28 Mod 23. Mk 31 Mod 1 and Mk 28 Mod 34. Mk 31 Mod 3 and Mk 28 Mod 2 <p>3-5. What is the major advantage of using otto fuel in torpedoes?</p> <ol style="list-style-type: none">1. It is safe to handle2. It is fast burning3. It is slow burning4. It requires a short turnaround time for exercise weapons <p>3-6. Otto fuel II is what color?</p> <ol style="list-style-type: none">1. Bright red2. Yellow3. Orange4. Clear <p>3-7. Exposure to Otto Fuel II will produce all EXCEPT which of the following symptoms?</p> <ol style="list-style-type: none">1. A headache2. A drop in blood pressure3. Skin irritation4. Nasal congestion | <p>3-8. Otto fuel II safety, storage, and handling instructions are contained in which of the following NAVSEA publications?</p> <ol style="list-style-type: none">1. OP 52. OP 43. S6340-AA-MMA-0104. 2173 <p>3-9. What is the primary objective of mine operations?</p> <ol style="list-style-type: none">1. To sink submarines2. To defend/control ports, straits, anchorages, and barriers3. To mine enemy harbors4. To sink enemy ships <p>3-10. Mines are classified in a total of how many categories?</p> <ol style="list-style-type: none">1. Five2. Two3. Three4. Four <p>3-11. Which of the following statements is accurate concerning exercise mines?</p> <ol style="list-style-type: none">1. They are analyzed and overhauled for reuse2. They are analyzed and destroyed3. They are not recoverable4. They are overhauled <p>3-12. Which of the following delivery methods is/are used for mines?</p> <ol style="list-style-type: none">1. Air-laid only2. Surface-laid only3. Submarine-laid only4. Air-laid, surface-laid, and submarine-laid <p>3-13. Which of the following mines are classified by the position they take in the water?</p> <ol style="list-style-type: none">1. Pressure2. Acoustic3. Bottom4. Magnetic |
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- 3-14. What two factors must be taken into consideration when moored mines are laid?
1. Explosive weight and target
 2. Mission and target
 3. Aircraft type and mission
 4. Moored depth and stability
- 3-15. Which of the following statements is accurate concerning the boosters used in mines?
1. Small boosters contain tetryl
 2. Large boosters contain Comp B
 3. Intermediate boosters contain TNT
 4. All boosters are housed in aluminum
- 3-16. What component aligns the explosive train of a mine?
1. The hydrostatic switch
 2. The detonator circuit
 3. The explosive piston
 4. The clock-delay device
- 3-17. Which of the following is NOT a category of influence-actuated firing mechanisms?
1. Pressure
 2. Contact
 3. Magnetic
 4. Acoustic!
- 3-18. After entering the water, the delayed-opening parachute is released from a mine by what means?
1. An explosive bolt
 2. A control device
 3. A release gear
 4. Wipe-off plates
- 3-19. What conversion kit is used to upgrade Mk 62, 63, and 64 mines?
1. Mk 131
 2. Mk 130
 3. Mk 65
 4. Mk 60
- 3-20. What safety device is used in a Mk 65 mine?
1. Mk 57
 2. Mk 45
 3. Mk 31
 4. Mk 7
- 3-21. Mines must be jettisoned in water that is at least how many feet deep?
1. 1200 ft
 2. 1000 ft
 3. 800 ft
 4. 500 ft
- 3-22. An M61A1 gun can fire M50 series ammunition at what prescribed rate?
1. 4,000 to 7,200 rpm
 2. 4,000 to 6,000 rpm
 3. 2,000 to 6,000 rpm
 4. 2,000 to 4,000 rpm
- 3-23. What is the prescribed weight of an M61A1 gun?
1. 290 lb
 2. 300 lb
 3. 283 lb
 4. 400 lb
- 3-24. An M61A1 gun contains what total number of primary parts?
1. Five
 2. Six
 3. Three
 4. Four
- 3-25. On an M61A1 gun, the gripping surface needed for easy installation and removal of the barrels from the rotor is provided by what device(s)?
1. A locking pin
 2. A recoil adapter
 3. A guide bar
 4. Knurled bands
- 3-26. On an M61A1 gun, the bearing retainers can be mounted to the housing in increments of what prescribed number of degrees?
1. 90°
 2. 63°
 3. 45°
 4. 15°
- 3-27. On an M61A1 gun, what component picks up a round as it enters the gun?
1. The clearing sector assembly
 2. The guide bar
 3. The breech-bolt assembly
 4. The firing contact assembly

- 3-28. On an M61A1 gun, a total of how many sets of rotor tracks are attached to the ribs along the rotor body?
1. 6 sets
 2. 2 sets
 3. 12 sets
 4. 4 sets
- 3-29. On an M61A1 gun, the indexing pin is in what location?
1. The housing assembly
 2. The rotor assembly
 3. The clearing solenoid
 4. The breech-bolt
- 3-30. On an M61A1 gun, a full firing cycle requires what prescribed number of actions?
1. Seven
 2. Six
 3. Five
 4. Four
- 3-31. On an M61A1 gun, what total number of steel ball bearing are contained in the entrance cover?
1. 525
 2. 252
 3. 230
 4. 150
- 3-32. On an M61A1 gun, what means is used to index the drum for installation of the entrance unit?
1. A scoop disk
 2. An extractor lip
 3. A timing pin
 4. A chute
- 3-33. A total of how many sets of sprocket spur gears are on each scoop disk of an M61A1 gun?
1. One
 2. Two
 3. Six
 4. Four
- 3-34. On an M61A1 gun, the spur gears are located what prescribed number of degrees apart?
1. 450
 2. 90°
 3. 180°
 4. 360°
- 3-35. On an M61A1 gun, the last round switch is in what location?
1. The clearing solenoid
 2. The exit unit
 3. The rotor assembly
 4. The breech-bolt assembly
- 3-36. What device prevents empty cases from being fed into an M61A1 gun?
1. The entrance unit
 2. The breech bolt
 3. The scoop disk
 4. The last round switch
- 3-37. On an M61A1 gun, the transfer unit receives expended cases and unfired rounds from what component(s) ?
1. The breech bolts
 2. The exit unit
 3. The entrance unit
 4. The scoop disk
- 3-38. What color code is used on chute ends?
1. Black and red
 2. Red and green
 3. Green and black
 4. Orange and black
- 3-39. What type of gun drive unit is used on F14 aircraft?
1. Pneumatic
 2. Mechanical
 3. Hydraulic
 4. Electrical
- 3-40. An F14 aircraft drive unit uses what total number of output shafts?
1. One
 2. Two
 3. Three
 4. Four
- 3-41. An F14 aircraft gun gas purge system will remain active for what total number of seconds after gun firing?
1. 30 sec
 2. 20 sec
 3. 15 sec
 4. 10 sec
- 3-42. An F/A-18 aircraft has what total number of A/G modes of gun operation?
1. One
 2. Two
 3. Three
 4. Four

- 3-43. An F/A-18 aircraft ammunition handling system can hold a maximum of how many rounds of ammunition?
1. 650 rounds
 2. 578 rounds
 3. 550 rounds
 4. 525 rounds
- 3-44. What total number of bolts are used to attach an F/A-18 aircraft gun system to the aircraft?
1. 12 bolts
 2. 8 bolts
 3. 6 bolts
 4. 4 bolts
- 3-45. The drum assembly in an F14 aircraft can hold a maximum of how many rounds of ammunition?
1. 576 rounds
 2. 578 rounds
 3. 600 rounds
 4. 676 rounds
- 3-46. On an M61A1 gun system, the forward front track bolts must be torqued after what total number of rounds are fired?
1. 15,000 rounds
 2. 20,000 rounds
 3. 30,000 rounds
 4. 35,000 rounds
- 3-47. On an M61A1 gun system, the breech bolt assembly must be changed after what total number of rounds are fired?
1. 20,000 rounds
 2. 15,000 rounds
 3. 10,000 rounds
 4. 5,000 rounds
- 3-48. On an M61A1 gun system, scheduled maintenance begins after what prescribed number of rounds have been fired?
1. 5,000 rounds
 2. 10,000 rounds
 3. 15,000 rounds
 4. 30,000 rounds
- 3-49. On an M61A1 gun system, the gun must be overhauled after what prescribed number of rounds have been fired?
1. 130,000 rounds
 2. 120,000 rounds
 3. 110,000 rounds
 4. 100,000 rounds
- 3-50. A complete M50 service cartridge consist of what total number of components?
1. Five
 2. Two
 3. Three
 4. Four
- 3-51. Which of the following cartridge cases is made of brass?
1. M55
 2. M103
 3. M105B
 4. M122
- 3-52. Which of the following cartridge cases is made of steel?
1. M101
 2. M102
 3. M103B1
 4. M105B
- 3-53. All projectiles have essentially the same configuration with the exception of which of the following projectiles?
1. HE I
 2. HPT
 3. PT
 4. TP-T
- 3-54. An M505A3 PD fuze has what prescribed delayed arming distance?
1. 5 to 10 ft
 2. 10 to 15 ft
 3. 20 to 35 ft
 4. 25 to 40 ft
- 3-55. An M505A3 consists of what total number of assemblies?
1. Five
 2. Two
 3. Three
 4. Four
- 3-56. A tracer is visible for approximately how many yards of projectile flight?
1. 1,280 yd
 2. 1,500 yd
 3. 2,000 yd
 4. 5,000 yd
- 3-57. An M51A1B1/M51A2 cartridge contains approximately how many grains of inert material?
1. 650 grains
 2. 635 grains
 3. 550 grains
 4. 250 grains

3-58. What is the major difference between an M56A3 and M56A4?

1. The cartridge case
2. The construction
3. The explosive content
4. The fuze

3-59. An LALS will handle what total number of rounds of ammunition without the use of links?

1. 2,000 rounds
2. 1,400 rounds
3. 1,200 rounds
4. 876 rounds

3-60. What size hand crank can be used to drive the gearbox of a loader assembly?

1. $\frac{3}{8}$ in.
2. $\frac{7}{16}$ in.
3. $\frac{1}{2}$ in.
4. $\frac{3}{4}$ in.